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VAN PHAN et al.(10) **Pub. No.: US 2017/0048722 A1**(43) **Pub. Date: Feb. 16, 2017**(54) **FREQUENCY BAND SHARING AMONGST CELLS****Publication Classification**(71) Applicant: **NOKIA SOLUTIONS AND NETWORKS OY**, Espoo (FI)(72) Inventors: **Vinh VAN PHAN**, Oulu (FI); **Ling YU**, Kauniainen (FI); **Kari Veikko HORNEMAN**, Oulu (FI)(73) Assignee: **NOKIA SOLUTIONS AND NETWORKS OY**, Espoo (FI)(51) **Int. Cl.****H04W 16/16** (2006.01)**H04W 72/04** (2006.01)(52) **U.S. Cl.**CPC **H04W 16/16** (2013.01); **H04W 72/0453** (2013.01)

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Example implementations are described related to a dynamic resource allocation scheme for use in allocating frequency resources from a frequency band shared by a plurality of small area cell base stations located in a service area of a large area cell base station. The large area cell base station may control the dynamic resource allocation from the shared frequency band.

